<u>S/N 10/714,567</u> <u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

plicant: Paul Wentworth et al.

Examiner:

David J Venci

evial No.:

10/714,567

Group Art Unit:

1641

ed:

November 14, 2003

Docket:

1361.028US1

ANTIBODY MEDIATED OZONE GENERATION

INFORMATION DISCLOSURE STATEMENT

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Serial No :10/714,567

Filing Date: November 14, 2003

Title: ANTIBODY MEDIATED OZONE GENERATION

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

PAUL WENTWORTH ET AL.

By their Representatives,

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Date March 8, 2005

Robin A Chadwick
Reg. No. 36,477

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this _____ day of March, 2005.

CANDIS BUENDING

Name

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Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/714,567 **Application Number** STATEMENT BY APPLICANT November 14, 2003 Filing Date Wentworth, Paul **First Named Inventor** 1641 **Group Art Unit** Venci, David **Examiner Name** Attorney Docket No: 1361.028US1 Sheet 1 of 6

		US PA	ATENT DOCUMENTS	
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-4,559,157	12/17/1985	Smith, James A., et al.	04/21/1983
_	US-4,608,392	08/26/1986	Jacquet, Bernard , et al.	08/28/1984
	US-4,820,508	04/11/1989	Wortzman, Mitchell S.	06/23/1987
	US-4,992,478	02/12/1991	Geria, Navin M.	04/04/1988
	US-5,162,217	11/10/1992	Hartman, J R., et al.	12/08/1989
	US-5,362,492	11/08/1994	Schuettler, Achim, et al.	02/25/1993
	US-5,472,691	12/05/1995	Marklund, Stefan , et al.	09/24/1993
	US-5,599,712	02/04/1997	Greenberger, Joel S.	10/15/1993
	US-5,637,315	06/10/1997	Zern, Mark, et al.	12/02/1994
	US-5,647,315	07/15/1997	Saito, Tetsushi	10/04/1995
	US-5,747,026	05/05/1998	Crapo, James D., et al.	02/02/1994
	US-5,848,290	12/08/1998	Yoshida, Shinichi , et al.	02/16/1996
	US-5,994,339	11/30/1999	Crapo, James D.	06/07/1995
	US-6,030,611	02/29/2000	Gorecki, Marian, et al.	05/26/1995
	US-6,040,611	03/21/2000	De Los Santos, Hector J., et al.	09/10/1998

	FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Publication Date				
	WO-98/25645A1	06/18/1998	Wolpert, E., et al.		
	WO-03/017992A2	03/06/2003	Petyaev, I.,		

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposlum, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
i		ALLEN, R.C., et al., "The Superoxide Anion and Singlet Molecular Oxygen: Their Role in the Microbicidal Activity of the Polymorphonuclear Leukocyte",	
		Biochemical & Biophysical Research Communications, 60(3), (October 8, 1974),909-17	
		ARLAUD, G. J., et al., "A Functional Model of the Human C1 Complex: Emergence of a Functional Model", lmmunology Today, 8(4), (1987),106-111	
		BAEK, J M., et al., "Nucleotide Sequence of a cDNA Encoding Soybean Bowman-Birk Proteinase Inhibitor", Plant Physiology, 102(2), (June 1993),687	
		BEAUCHAMP, C., et al., "Superoxide Dismutase: Improved Assays and an Assay Applicable to Acrylamide Gels", <u>Analytical Biochemistry</u> , 44(1), (November 1971),276-87	
		BENT, D V., et al., "Excited State Chemistry of Aromatic Amino Acids and Related Peptides. III. Tryptophan", <u>Journal of the American Chemical Society</u> , 97(10), (May 14, 1975),2612-9	

PTC/SB/084(10-01)
Approved for use through 10/31/2002, OMB 651-0031
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	Group Art Unit	1641
	Examiner Name	Venci, David
Sheet 2 of 6	Attorney Docket No: 1	361.028US1

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
		BERTHIAUME, F., et al., "Antibody-Targeted Photolysis of Bacteria in Vivo",	
		Bio/Technology, 12(7), (July 1994),703-6	
		BLACKBURN, G M., et al., "Catalytic Antibodies", <u>Advances in Physical Organic</u> Chemistry, 31, (1998),249-392	
	L	BRÜNGER, A T., et al., "Crystallography & NMR System: A New Software Suite	
		for Macromolecular Structure Determination.", Acta Crystallographica Section D-	
		Biological Crystallography, 54 (Pt 5), (September 1, 1998),905-21	
		BURLEY, S K., et al., "Aromatic-Aromatic Interaction: a Mechanism of Protein	
		Structure Stabilization", Science, 229(4708), (July 5, 1985),23-8	
		BURTON, D R., "Antibody: the Flexible Adaptor Molecule", <u>Trends in</u>	
		Biochemical Sciences, 15(2), (February 1990),64-9	
		CACACE, F, et al., "Experimental Detection of Hydrogen Trioxide", Science, 285(5424), (July 2, 1999),81-82	
		CANNAC-CAFFREY, V, et al., "The Protein Sequence of an Archaeal Catalase-	
		Peroxidase", <u>Biochimie</u> , 80(12), (December 1998),1003-11	
		CERKOVNIK, JANEZ, et al., "Characterization and Reactivity of Hydrogen	
		Trioxide (HOOOH): A Reactive Intermediate Formed in the Low-Temperature	
		Ozonation of 2-Ethylanthrahydroquinone", <u>Journal of the American Chemical</u>	
1		Society, 115(25), (1993),12169-12170	
		COREY, E J., et al., "Generation of ¹ Δ _G O ₂ Oxygen From Triethylsilane and	
		Ozone", Journal of the American Chemical Society, 108(9), (April 30, 1986),2472	
		- 2473	
		DEBY, CAROL, "De L'Oxygene", La Recherche, 228, Journal article in	
		French,(January 1991),57-64	
		DETTY, MICHAEL R., et al., "Tellurapyrylium Dyes as Catalysts for the	
		Conversion of Singlet Oxygen and Water to Hydrogen Peroxide", Journal of the	
		American Chemical Society, 112(10), (May 9, 1990),4086 - 4088	
		DRAPER, H H., et al., "A Comparative Evaluation of Thiobarbituric Acid Methods	
	1	for the Determination of Malondialdehyde in Biological Materials", Free Radical	
		Biology & Medicine, 15(4), (1993),353-363	
1		ESNOUF, ROBERT M., "]. Further Additions to MolScript Version 1.4, Including	
		Reading and Contouring of Electron Density Maps", Acta Crystallographica	
		Section D-Biological Crystallography, 55(4), (April 1999),938-940	
		FEE, J. A., "Is Superoxide Toxic and are Superoxide Dismutases Essential for	
		Aerobic Life", In: Oxygen and Oxy-Radicals in Chemistry and Biology –	
		Proceedings of the International Conference on Oxygen and Oxy-Radicals, held	
		at the University of Texas at Austin, in May, 1980 (New York: Academic Press	
		(May, 1980, edited by M. A. Rodgers), 205-239	
	1	FELDHOFF, R C., et al., "Determination of the Number and Relative Position of Tryptophan Residues in Various Albumins", Biochemical Journal, 159(3).	
		(December 1, 1976),529-33	
L	L	(December 1, 1370),023-00	

PTC/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 651-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/714,567
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	Examiner Name	Venci, David
Sheet 3 of 6	Attorney Docket No: 1	361.028US1

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		FOOTE, C. S., "Chapter 3 Photosensitized Oxidation and Singlet Oxygen:	
		Consequences in Biological Systems", In: Free Radicals in Biology, New York:	
		Academic Press (1976), 85-133	
		FOOTE, C S., "Mechanisms of Photosensitized Oxidation. There are Several	
		Different Types of Photosensitized Oxidation Which May be Important in	
		Biological Systems", Science, 162(857), (November 29, 1968),963-70	
		FOOTE, C S., et al., "Phototosensitized Oxygenations and the Role of Singlet	
		Oxygen", Acc. Chem. Res., 1(4), (1969),104-110	
		FOWLER, A V., et al., "Amino Acid Sequence of ß-Galactosidase. XI. Peptide	
		Ordering Procedures and the Complete Sequence", <u>Journal of Biological</u>	
		Chemistry, 253(15), (August 10, 1978),5521-5	<u> </u>
		FRIMER, ARYEH A., In: Singlet O2, Boca Raton, Fla.: CRC Press,(1985),91-	1
		143	<u> </u>
		GARCIA, K C., et al., "An α ß T Cell Receptor Structure at 2.5 Å and its	
		Orientation in the TCR-MHC Complex", Science, 274(5285), (October 11,	
	,	1996),209-219	ļ
		GOLLNICK, K, "Type II Photooxygenation Reactions in Solution", Advances in	
		Photochemistry, 6, (1968),1-122	ļ
		GREELEY, B. H., et al., "New Pseudospectral Algorithms for Electronic Structure	
		Calculations: Length Scale Separation and Analytical Two-Electron Integral	
		Corrections", The Journal of Chemical Physics, 101(5), (September 1,	
		1994),4028-4041	ļ
		GROSSWEINER, L.I., "Photochemical Inactivation of Enzymes", Current Topics	ŀ
		in Radiation Research Quarterly, 11(2), (March 1976),141-99	-
		HAN, JOAN, et al., "Quantitation of Hydrogen Peroxide Using Tris(2-	
		Carboxyethyl)Phosphine", Analytical Biochemistry, 234(1), (107-109),1996	-
,		HASTY, NOEL, et al., "Role of Azide in Singlet Oxygen Reactions: Reaction of Azide With Singlet Oxygen", Tetrahedron Letters, 13(1), (1972),49-52	
		HOFMAN, PAUL, et al., "Increased <i>Escherichia coli</i> Phagocytosis in Neutrophils	
		That Have Transmigrated Across a Cultured Intestinal Epithelium", <u>Infection &</u>	
		Immunity, 68(2), (February 2000),449-455	
		KANOFSKY, JEFFREY R., "Singlet Oxygen Production by Biological Systems",	
		Chemico-Biological Interactions, 70(1-2), (1989),1-28	
		KANOFSKY, J R., et al., "Singlet Oxygen Production by Human Eosinophils",	
		Journal of Biological Chemistry, 263(20), (July 15, 1988),9692-6	
		KEARNS, DAVID R., "Physical and Chemical Properties of Singlet Molecular	
		Oxygen", Chem. Rev., 71(4), (1971),395-427	
		KLEBANOFF, SEYMOUR J., "Microbicidal Mechanisms, Oxygen Dependent",	
		In:Encyclopedia of immunology, Peter J. Delves - Editor, San Diego : Academic	
		Press,(1998),1713-1718	

PTO/SE/08A(10-01)
Approved for use through 10/31/2002, OMB 651-0031
US Patent & Tradement Office: U.S. DEPARTMENT OF COMMERCE
plection of information unless it contains a valid OMB control number

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	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		KOLLER, JOZE, et al., "Mechanism of the Participation of Water in the	
		Decomposition of Hydrogen Trioxide (HOOOH). A Theoretical Study", <u>Journal of</u>	
		the American Chemical Society, 118(10), (1996),2470-2472	
		KREITNER, MICHAELA, et al., "A Quantitative Determination of Singlet Oxygen	
·		With Horseradish Peroxidase", Analytical Biochemistry, 213(1), (1993),63-67	
		LI, TINGYU, et al., "Remarkable Ability of Different Antibody Catalysts To	
		Control and Diversify the Product Outcome of Cationic Cyclization Reactions",	
		Journal of the American Chemical Society, 117(11), (March 22, 1995),3308-	
		3309	
		MARKERT, M, et al., "Measurement of O ₂ Production by Human Neutrophils.	
		The Preparation and Assay of NADPH Oxidase-Containing Particles From	
		Human Neutrophils", Methods in Enzymology, 105, (1984),358-65	
		MARTIN, ANDREW C., "Accessing the Kabat Antibody Sequence Database by	
		Computer", Proteins: Structure, Function, & Genetics, 25(1), (1996),130-133	1
		MCCORMICK, J P., et al., "Near-Ultraviolet Photooxidation of Tryptophan. Proof	1
		of Formation of Superoxide Ion", <u>Journal of the American Chemical Society</u> ,	
		100(1), (January 4, 1978),312-313]
		MERKEL, PAUL B., et al., "Deuterium Effects on Singlet Oxygen Lifetimes in	
		Solutions. New Test of Singlet Oxygen Reactions", <u>Journal of the American</u>	
		<u>Chemical Society, 94(3), (February 9, 1972),1030-1031</u>	
		MICHAELI, ALBERT, et al., "Reactivity of Singlet Oxygen Toward Amino Acids	
		and Peptides", Photochemistry & Photobiology, 59(3), (1994),284-289	
•		PLESNIČAR, B, et al., "17 O NMR Spectroscopic Characterization and the	
		Mechanism of Formation of Alkyl Hydrotrioxides (ROOOH) and Hydrogen	
		Trioxide (HOOOH) in the Low-Temperature Ozonation of Isopropyl Alcohol and	
		Isopropyl Methyl Ether: Water-Assisted Decomposition", Chemistry - A European	ļ
		Journal, 6(5), (2000),809-819	
		PRANGE, THIERRY, et al., "Exploring Hydrophobic Sites in Proteins With	
		Xenon or Krypton", Proteins: Structure, Function, & Genetics, 30(1), (January 1,	
		1998),61-73	l
		REEVES, E P., et al., "Killing Activity of Neutrophils is Mediated Through	
		Activation of Proteases by K* Flux", Nature, 416(6878), (March 21, 2002),291-7	
		SCHARF, HANS D., et al., "The Catalytic Function of Anthraquinones in the	
		Photooxidation of Chloride to Chlorine", <u>Jerusalem Symp. Quantum Chem.</u>	
		Biochem., 12, (1979),355-65	
		SCHOENBORN, B P., "Binding of Xenon to Sperm Whale Myoglobin", Nature,	
		207(992), (July 3, 1965),28-30	
		SCOTT, EMILY E., et al., "Ligand Migration in Sperm Whale Myoglobin",	
		Biochemistry, 36(39), (1997),11909-11917	

PTC/SB/08A(10-01)
Approved for use through 10/31/2002, OMB 651-0031
US Patent & Tredemark Office U.S. DEPARTMENT OF COMMERCE Bection of information unless it contains a valid OMB control number.

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	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
xaminer Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		SIEGFRIED, L, et al., "Virulence-Associated Factors in Escherichia coli Strains	1
		Isolated From Children With Urinary Tract Infections", Journal of Medical	
		Microbiology, 41(2), (August 1994),127-32	
		SIM, R B., et al., "C1: Molecular Interactions With Activating Systems",	
		Immunology Today, 12(9), (September 1991),307-11	-
		SKEPPER, J N., et al., "Cytochemical Demonstration of Sites of Hydrogen	
		Peroxide Generation and Increased Vascular Permeability in Isolated Pig Hearts	1
		After Ischaemia and Reperfusion", Microscopy Research & Technique, 42(5),	
		(September 1, 1998),369-85	
		SOLTIS, S.M., et al., "Successful Flash-Cooling of Xenon-Derivatized Myoglobin	Τ.
		Crystals", J. Appl. Cryst., 30, (1997),190-194	`
		SRINIVASAN, VAKULA S., et al., "Photochemical Generation of O ₂ by Rose	
		Bengal and Ru(bpy) ₃ ²⁺ ", <u>Journal of the American Chemical Society</u> , 100(20),	
		(September 27, 1978),6513 ? 6515	
		STEINBECK, MARLA J., et al., "Extracellular Production of Singlet Oxygen by	1
		Stimulated Macrophages Quantified Using 9,10-Diphenylanthracene and	1
		Perylene in a Polystyrene Film", <u>Journal of Biological Chemistry</u> , 268(21),	
		(1993),15649-15654	
		STEINBECK, MARLA J., et al., "Intracellular Singlet Oxygen Generation by	\dagger
		Phagocytosing Neutrophils in Response to Particles Coated With a Chemical	
		Trap", Journal of Biological Chemistry, 267(19), (July 5, 1992),13425-33	
		TAKEUCHI, K, et al., "Continuous Measurement of Ozone in Air by	+
		Chemiluminescence Using Indigo-5 5'-Disulfonate", Analytica Chimica Acta,	
		230(1), (1990),183-188	
		TAKEUCHI, K, et al., "Quantitative Determination of Aqueous-Phase Ozone by	╁
		Chemiluminescence Using Indigo-5,5'-Disulfonate", Analytical Chemistry, 61(6),	
		(March 15, 1989),619-23	
		TILTON JR., R F., et al., "Protein-Ligand Dynamics. A 96 Picosecond Simulation	+
		of a Myoglobin-Xenon Complex", <u>Journal of Molecular Biology</u> , 199(1), (January	1
		5, 1988),195-211	-
		VINCENT, M A., et al., "Structures on the Singlet and Triplet O ₃ H ₂ Potential	-
		Energy Surfaces: Implications for Photonucleation of Water in the Presence of	
		Molecular Oxygen", <u>Journal of Physical Chemistry</u> , 99(10), (March 9,	
		1995),3109-3113	
		VOSS, R H., et al., "Crystal Structure of the Bifunctional Soybean Bowman-Birk	╁╌
		Inhibitor at 0.28-nm Resolution", European Journal of Biochemistry, 242(1),	
		(November 15, 1996),122-131	1
		WAGNER, J , et al., "Efficient Aldolase Catalytic Antibodies That Use the	+-
		Enamine Mechanism of Natural Enzymes", <u>Science, 270(5243)</u> , (December 15, 1995),1797-1800	
	L	1330),1131-1000	4_

PTO/SB/08A(10-01)
Approved for use through 10/31/2022, OMB 551-0031
US Patent & Tradement Office: U.S. DEPARTMENT OF COMMERCE
Index the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/714,567 **Application Number** STATEMENT BY APPLICANT November 14, 2003 **Filing Date** (Use as many sheets as necessary) Wentworth, Paul **First Named Inventor** 1641 **Group Art Unit** Venci, David **Examiner Name** Attorney Docket No: 1361.028US1 Sheet 6 of 6

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		WALRANT, P, et al., "N-Formyl-Kynurenine, a Tryptophan Photooxidation	
		Product, as a Photodynamic Sensitizer", <u>Photochemistry & Photobiology</u> , 19(6), (June 1974),411-7	
		WELINDER, K.G., et al., "Amino Acid Sequences and Structures of Chicken and	
		Turkey Beta2-Microglobulin", <u>Immunology, 28(1-2)</u> , (January-February 1991),177-82	
		WENTWORTH, ANITA D., et al., "Antibodies Have the Intrinsic Capacity to	
		Destroy Antigens", Proceedings of the National Academy of Sciences of the	_
		United States of America, 97(20), (September 26, 2000),10930-10935	
		WENTWORTH JR., PAUL, et al., "Antibody Catalysis of the Oxidation of Water",	
		Science, 293(5536), (September 7, 2001),1806-1811	
		WENTWORTH JR., PAUL, "Catalytic Antibodies", <u>Current Opinion in Chemical</u>	
		Biology, 2(1), (February 1998),138-144	-
		WENTWORTH JR., PAUL, "Tech.Sight. Antibody Design by Man and Nature",	
		Science, 296(5576), (June 21, 2002),2247-9	ļ
		WILKINSON, F, et al., "Rate Constants for the Decay and Reactions of the	
		Lowest Electronically Excited Singlet State of Molecular Oxygen in Solution. An Expanded and Revised Compilation", J. Phys. Chem. Ref. Data, 24, (1995),663	.4
		WINKLER, JAY R., et al., "Electron Tunneling in Biological Molecules", <u>Pure & Applied Chemistry</u> , 71(9), (1999),1753-1764	
		WINKLER, JAY R., "Electron Tunneling Pathways in Proteins", Current Opinion in Chemical Biology. 4(2), (April 2000),192-198	
		ZHAI, X , et al., "Direct Detection and Quantification of Singlet Oxygen During	-
•		Ischemia and Reperfusion in Rat Hearts", <u>American Journal of Physiology</u> , 269(4 Pt 2), (October 1995),H1229-36	
		ZHOU, M, et al., "A Stable Nonfluorescent Derivative of Resorufin for the	
		Fluorometric Determination of Trace Hydrogen Peroxide: Applications in	
		Detecting the Activity of Phagocyte NADPH Oxidase and Other Oxidases",	
		Analytical Biochemistry, 253(2), (November 15, 1997),162-8	